



Replacement Sheet

4/14

Seq. 0:

SEQ ID NO: 15										
D	P	U	T	P	N	O	U	N	D	T
0	1	2	3	4	5	6	7	8	9	10

→ Sorted:

SEQ ID NO: 23										
D	D	N	N	O	P	P	T	T	U	U
0	9	5	8	6	1	4	3	10	2	7

Seq. 1:

SEQ ID NO: 16										
D	T	U	P	P	N	O	U	N	O	T
0	1	2	3	4	5	6	7	8	9	10

→ Sorted:

SEQ ID NO: 24										
D	N	N	O	O	P	P	T	T	U	U
0	5	8	6	9	3	4	1	10	2	7

Pattern Map Row Index

1										
2	9	10								
3										
4										
5										
6	7									
7										
8	8									
9										
10										

11	0	2	4	5	6	7	8	10		
12	11	13	15	16	17	18	19	21		
13										
14	1									
15										
16	2									
17										
18	3									
19										
20										
21										

→ Position Index

→ Total Index

→ Symbol SEQ ID NO: 25

Merge-Sort

(P:1,14), (P:1,15),
(N:5,19), (O:6,20)

P...NO "Reference
Pattern"
SEQ ID NO: 17

P....NO "Corrupted
Pattern"
SEQ ID NO: 18

FIG. 3

FIG. 7A

1- TUPLE TABLES

(0)	(1)	(2)
A 0	A 3	A 7
A 5	A 5	B 4
B 2	A 7	C 0
C 3	B 0	C 2
C 6	B 6	C 5
C 7	C 1	D 1
D 1	D 2	D 3
D 4	D 4	D 6

SEQUENCES

SEQ ID NO: 26 S₀: ABCDACC
SEQ ID NO: 27 S₁: BCDADABA
SEQ ID NO: 28 S₂: CDCDBCDA

